

TOTAL ARMY ANALYSIS CHEMICAL FORCE 2005



Results of TAA-05

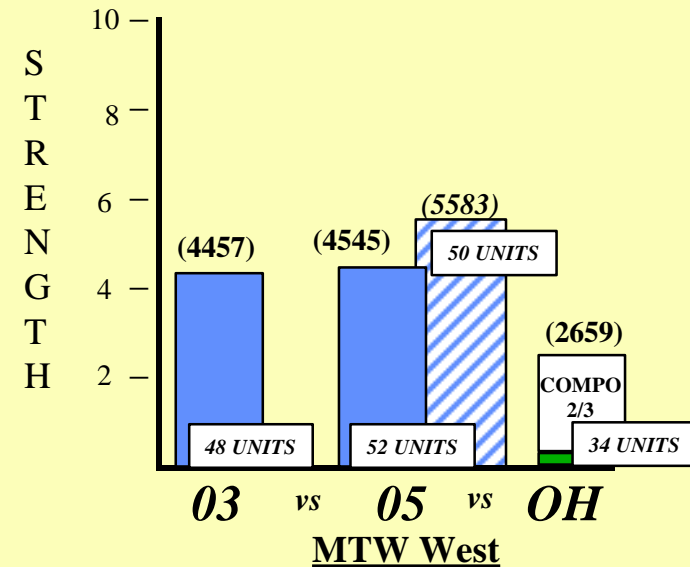
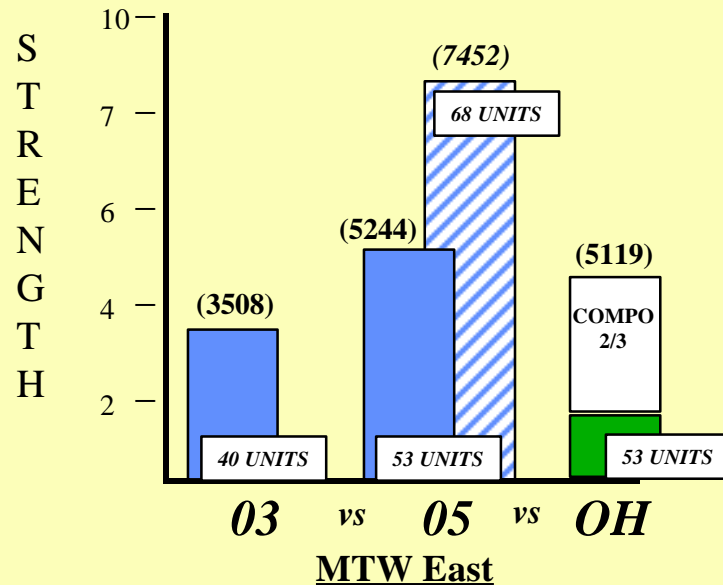
“TAA-05 FORCE STRUCTURE DECISIONS SUBSTANTIALLY IMPROVED CHEMICAL BRANCH WARFIGHTING CAPABILITY. THESE ACTIONS WILL RESOURCE ALL TAA-05 NBC RECONNAISSANCE AND BIOLOGICAL DETECTION REQUIREMENTS. THIS TAA ALSO RECOGNIZED THE REQUIREMENT TO PROVIDE DECONTAMINATION AND DETECTION SUPPORT TO OTHER SERVICES, ESPECIALLY AT AIR AND SEA PORTS OF DEBARKATION.”

- 2000-2005 Army Structure Message



TAA 05 MTW Requirements

Total Chemical Force



REASONS FOR REQUIREMENT CHANGES:

- Two Corps in both MTWs.
- 4 Smk/Decon COs vs. 2 in TAACOM.
- Support To Other Services (STOS).

IMPACTS

- Provides doctrinal NBC recon, bio detection, and decon support forward of corps rear boundary.
- Increased decon support for TAACOM.
- Supports Joint Rear Area Coordinator.

UNRESOURCED EQUIREMENTS:

- 12 Units (1881 Spaces) spt to Army & 118 Units (13035 Spaces) STOS.

UNUSED UNITS:

- 7 COMPO 2 Units.

	COMPO		
Units Available	1	2	3
for the Warfight:	32	9	67



Total Army Analysis 2005

Requirements

- | | |
|-----------------------------|---------------------------|
| • Support to the Army | 106 Units / 10,505 Spaces |
| • Support to Other Services | 118 Units / 13,035 Spaces |
| • Total Requirements | 224 Units / 23,540 Spaces |

Resources

- USAR will activate 1 Chemical Bde, 1 Chemical Bn
3 NBC Recon Companies and 3 BIDS Companies
- ARNG will activate 14 Recon/Decon Companies,
2 NBC Recon Companies and 2 BIDS Companies,
3 Bn HHDs, and 1 Chemical Bde HHD



CHEMICAL UNIT ACTIVATIONS

	USAR	ARNG
FY00	1 CM Bde	0
FY02	1 BIDS Co	0
FY03	1 Recon Co 1 BIDS Co	1 CM Bn 4 Rec/Dec Co 1 BIDS Co
FY04	1 Recon Co 1 BIDS Co	1 CM Bn 5 Rec/Dec Co 1 Recon Co 1 BIDS Co
FY05	1 Recon Co	1 CM Bde 1 CM Bn 5 Rec/Dec Co 1 Recon Co



END STATE CHEMICAL FORCE STRUCTURE TOTAL ARMY ANALYSIS 05

<u>UNIT</u>	<u>NUMBER OF UNITS</u>				
	<u>REQ</u>	<u>COMPO 1</u>	<u>COMPO 2</u>	<u>COMPO 3</u>	<u>COMPO 4</u>
SMK/DECON (ABN/AA) CO	2	2	-	-	-
HVY DIV CO	13	6	7	-	-
ACR CO	3	2	1	-	-
NBC RECON CO	8	1	2	5	-
BIO DETECTION CO	8	1	2	5	-
SMK (MECH) CO	6	2	-	4	-
SMK/DECON CO (CORPS/TA)	116	9	1	25	81
RECON/DECON CO (SPOD)	17	-	14	-	3
HHD CM BN	30	3	3	8	16
HHD CM BDE	6	-	1	4	1



Building the Force

- Allocation Rules (Doctrinal Based):
 - One Brigade HHD per Corps.
 - Six Dual Purpose Companies per Corps.
 - One NBC Recon Company per Corps.
 - One Bio Detection Company per Corps.
 - One Dual Purpose Company per Division Assigned to the Corps.
 - One Mech Smoke Company per Heavy Division Assigned to the Corps.
 - 0.2 Battalion HHDs per Number of Companies Assigned to Corps.
 - One Battalion per Theater Area Army Command (TAACOM).
 - One NBC Recon Company per TAACOM.
 - One Bio Detection Company per TAACOM.
 - Four Dual Purpose Companies per TAACOM.
- Support to Other Services

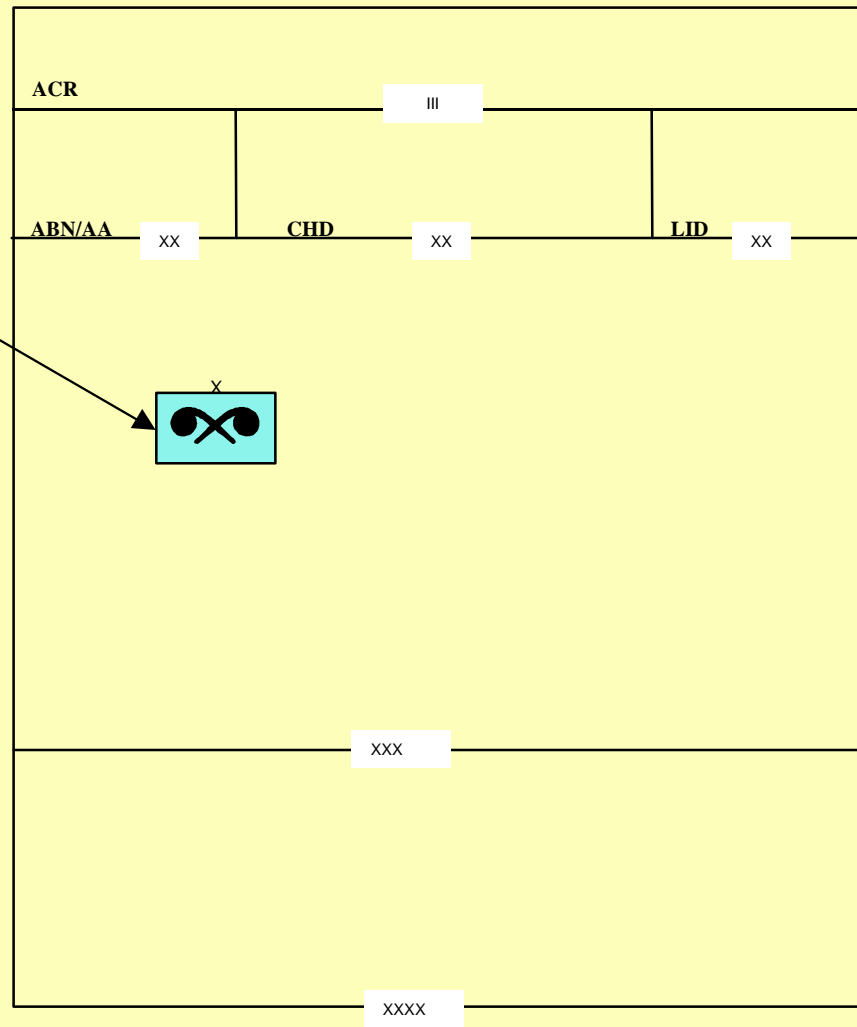


Chemical Force Allocation

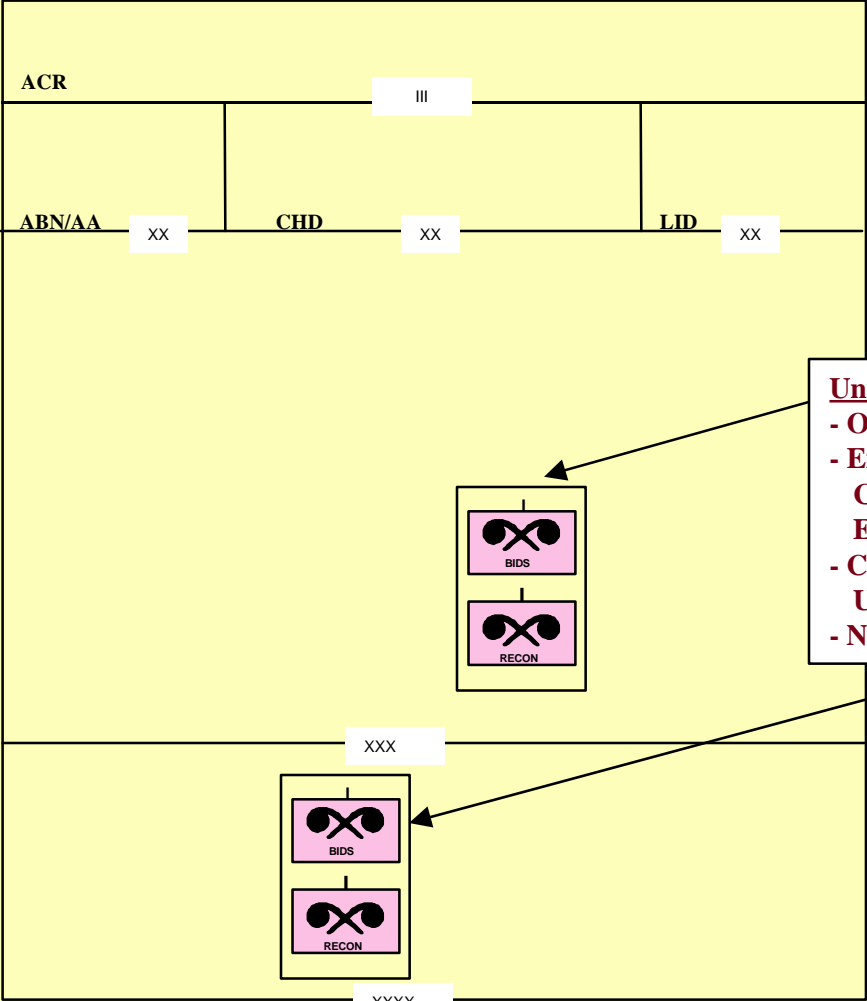
Chemical Brigade Plans, controls, coordinates, and directs the employment of Chemical units

- Assets Insufficient for Entire Corps
- Assigns Battalion Missions
- Allocates Companies to Battalions based on Corps OPLAN
- Assets Must Be Employed Throughout the Depth of the Battlefield
 - -Synchronize Effects
 - -Maintain Initiative and Agility to Reallocate based on Corps priorities

Brigades Orchestrate - Battalions Execute



Chemical Force Allocation

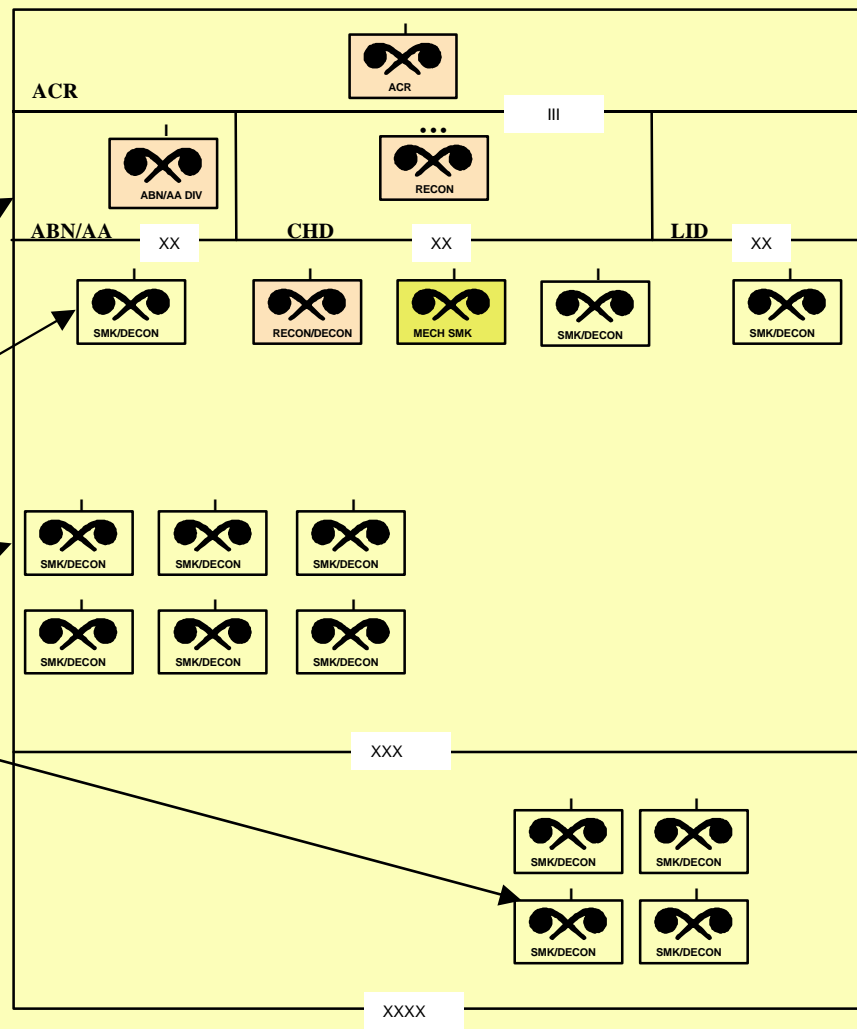


- Unique, One of a Kind, Units**
- Operational Asset
- Employment Must Be Carefully Planned (Unity of Effort)
- Cannot Piecemeal These Units Into the Warfight
- NBC Eyes

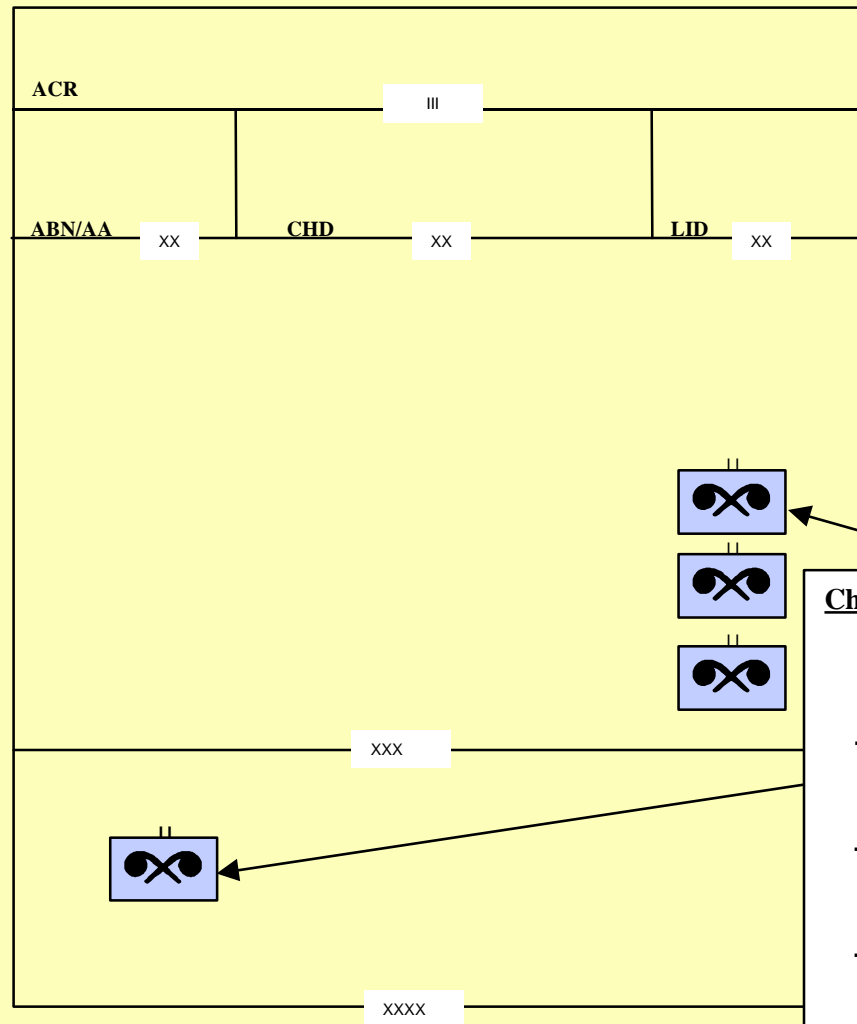


Chemical Force Allocation

- EAD Chemical Companies Are Not Permanently Assigned to Chemical Battalions**
- Numbers and Types of Companies Allocated Based on Numbers and Types of Divisions Assigned to the Corps
 - Task Organized by Chemical Brigade (METT-T)
 - Protect the Force
 - Restore Combat Power
 - Multiply Combat Power at the Decisive Point and Time
 - Situational Awareness



Chemical Force Allocation



Chemical Battalion Allocation
 Based on Number of EAD
 Chemical Companies
 Assigned to the Corps

- 0.2 Battalions Per Number of Companies **NOT** 1.0 Per Division.
- Brigade Organizes Chemical Bns for Combat Based on METT-T.
- Mass Assets and Weight the Main Effort
- Economy of Force Elsewhere



Chemical Force Allocation

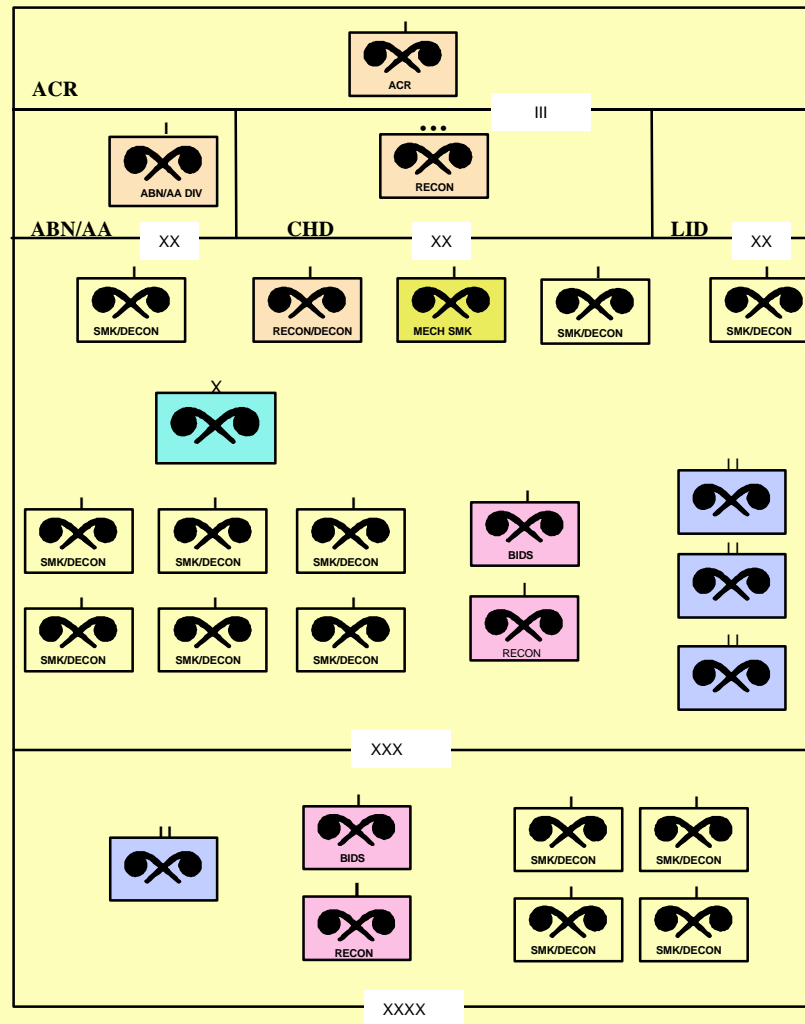
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WMD FORCE PROTECTION

CHEMICAL SUPPORT TO OTHER SERVICES

Background: Meeting hosted by DCSOPS on 1 July 1997.

Positions from Other Services:

Marines: “depend on Army for thorough decon.”

Navy: “CNO has said Navy will not decon any land base, to include ports, unless it is used to directly support the Navy afloat.”

Air Force: “We aren’t prepared to enumerate our requirements. We do know we have little or no capability for the APOD side of an airfield. Our focus will be on fighter sortie regeneration.”

Recommended Allocation Rules for Support to Other Services:

MARFOR:	1 HHD CM Bde (03472L)
	1 Dual Purpose Co (03467L) per division
	6 Dual Purpose Co (03467L)
	1 BIDS (03477A)
	1 NBC Recon Co (03427L)
TRANSCOM SPOD:	1 Recon/Decon Co (03333L)
SPOD; APOD; USAF AB	1 Dual Purpose Co (03467L)



Theater Force Allocation

MTW EAST

(Two Corps, Five Divisions, and one ACR)

MTW EAST

(Marine Force; Twenty-one Airbases; Five APODs; Nine SPODs)

MTW WEST

(Two Corps, Five Divisions, four ERBs, and one ACR)

MTW WEST

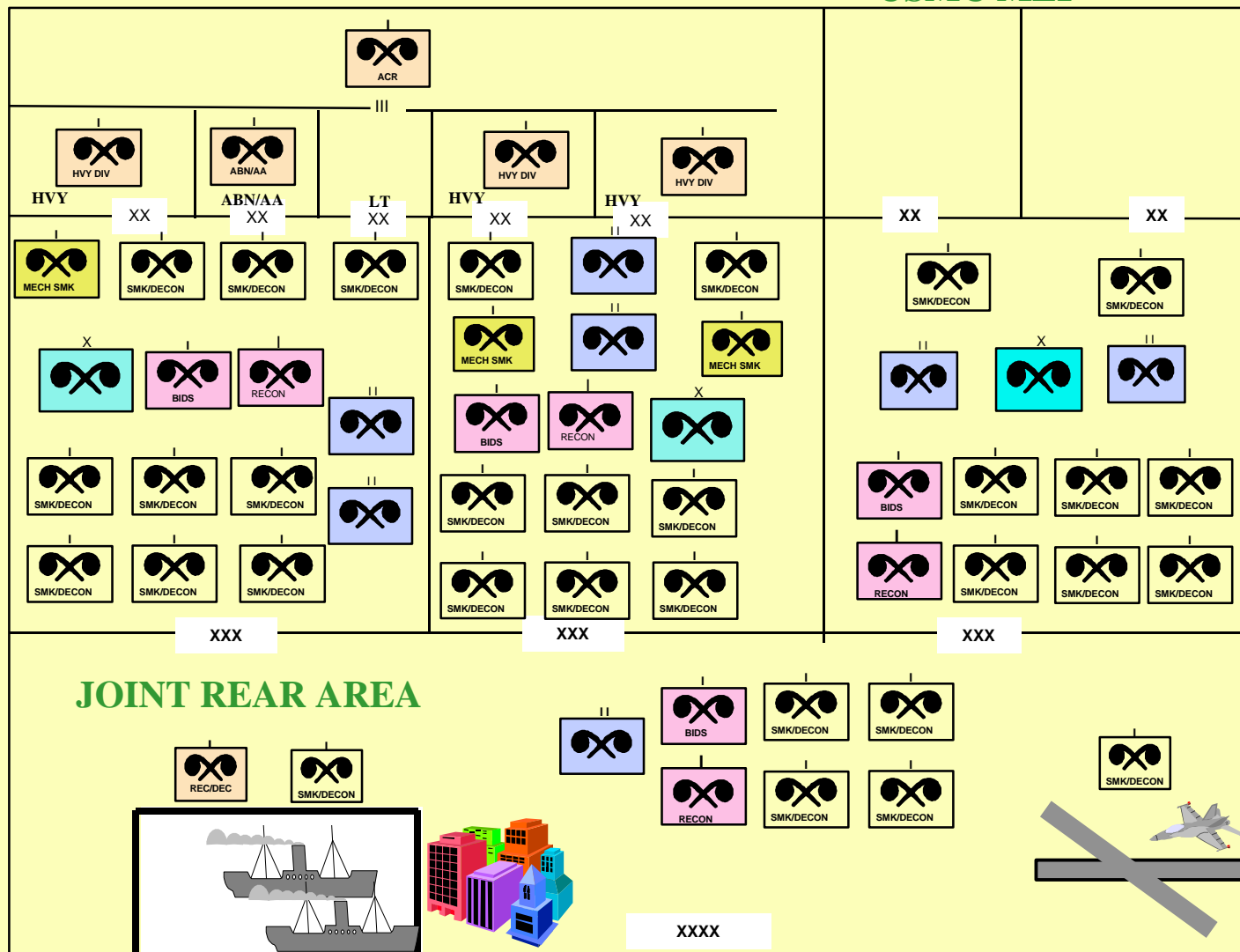
(Marine Force; Nine Airbases; Seven APODs; Eight SPODs)



Theater Chemical Force Allocation

US ARMY CORPS

USMC MEF



TAA 05 Force Requirements Army Force

<u>TYPE UNIT</u>	<u>RQMT</u>	<u>APPROVED</u>	<u>△</u>
BDE HHD	4	4	--
BN HHD	11	11	--
RECON CO	6	6	--
BIO DET CO	6	6	--
MECH SMOKE CO	6	6	--
SMK/DECON CO	42	35	-7



MTW EAST

(Two Corps, Five Divisions, and one ACR)

1st Corps: One Heavy Division, One Air Aslt Division, One Light Division, and One ACR.

- One Heavy Division Chemical Company (SRC 03157L2)
- One Air Assault Division Chemical Company (SRC 03057L2)
- One ACR Chemical Company (SRC 03377L2)
- EAD Support:
 - One Chemical Brigade HHD (SRC 03472L0)
 - Two Chemical Battalion HHDs (SRC 03476L1)
 - One Bio-Detection Company (SRC 03477A0)
 - One Recon Company (SRC 03427L0)
 - Nine Dual Purpose Companies (SRC 03467L0)
 - One Mech Smoke Company (SRC03437L0)

Theater Support:

- One Chemical Battalion HHD (SRC03476L2)
- One Bio-Detection Company (SRC 03477A0)
- One Recon Company (SRC 03427L0)
- Four Dual Purpose Companies (SRC 03467L0)

2d Corps: Two Heavy Divisions

- Two Heavy Division Chemical Companies (SRC 03157L2).
- EAD Support:
 - One Chemical Brigade HHD (SRC 03472L0)
 - Two Chemical Battalion HHDs (SRC 03476L1).
 - One Bio-Detection Company (SRC 03477A0)
 - One Recon Company (SRC 03427L0)
 - Eight Dual Purpose Companies (SRC 03467L0)
 - Two Mech Smoke Companies (SRC03437L0).



MTW WEST

(Two Corps, Five Divisions, four ERBs, and one ACR)

1st Corps: One Airborne Division, Four Enhanced Readiness Brigades, and One ACR(L).

- One Airborne Division Chemical Company (SRC 03057L1)
- One ACR(L) Chemical Company (SRC 03333L0)
- EAD Support:
 - One Chemical Brigade HHD (SRC 03472L0)
 - Two Chemical Battalion HHDs (SRC 03476L1)
 - One Bio-Detection Company (SRC 03477A0)
 - One Recon Company (SRC 03427L0)
 - Seven Dual Purpose Companies (SRC 03467L0)

Theater Support:

- One Chemical Battalion HHD (SRC03476L2)
- One Bio-Detection Company (SRC 03477A0)
- One Recon Company (SRC 03427L0)
- Four Dual Purpose Companies (SRC 03467L0)

2d Corps: Three Heavy Divisions and One Light Division.

- Three Heavy Division Chemical Companies (SRC 03157L2).
- EAD Support:
 - One Chemical Brigade HHD (SRC 03472L0)
 - Three Chemical Battalion HHDs (SRC 03476L1)
 - One Bio-Detection Company (SRC 03477A0)
 - One Recon Company (SRC 03427L0)
 - Ten Dual Purpose Companies (SRC 03467L0) - Seven Unresourced.
 - Three Mech Smoke Companies (SRC03437L0).



TAA 05 Force Requirements Support to Other Services

<u>TYPE UNIT</u>	<u>RQMT</u>	<u>APPROVED</u>	<u>△</u>
BDE HHD	2	1	-1
BN HHD	19	3	-16
RECON CO	2	2	--
BIO DET CO	2	2	--
RECON/DECON CO	17	14	-3
SMK/DECON CO	74	0	-74



MTW EAST

(Marine Force; Twenty-one Airbases; Five APODs; Nine SPODs)

Marine Corps: One MEF; Two Divisions

- One Chemical Brigade HHD (SRC 03472L0) - ARNG
- Two Chemical Battalion HHDs (SRC 03476L1) - Unresourced
- One Bio-Detection Company (SRC 03477A0) - ARNG
- One Recon Company (SRC 03427L0) - ARNG
- Eight Dual Purpose Companies (SRC 03467L0) - Unresourced

Air Force: Twenty-one Airbases; Five APODs

- Five Chemical Battalion HHDs (SRC 03476L2) - Unresourced
- Twenty-six Dual Purpose Companies (SRC 03467L0) - Unresourced

TRANSCOM: Nine SPODs

- Four Chemical Battalion HHDs (SRC 03476L2) - 2 Unresourced
- Nine ACR (Lt) Chemical Companies (D/R)(SRC 03333L0) - ARNG
- Nine Dual Purpose Companies (SRC 03467L0) - Unresourced



MTW WEST

(Marine Force; Nine Airbases; Seven APODs; Eight SPODs)

Marine Corps: One MEF; One Division

- One Chemical Brigade HHD (SRSC 03472L0) - Unresourced
- Two Chemical Battalion HHDs (SRC 03476L1) - Unresourced
- One Bio-Detection Company (SRC 03477A0) - ARNG
- One Recon Company (SRC 03427L0) - ARNG
- Seven Dual Purpose Companies (SRC 03467L0) - Unresourced

Air Force: Nine Airbases; Seven APODs

- Three Chemical Battalion HHDs (SRC 03476L2) - Unresourced
- Sixteen Dual Purpose Companies (SRC 03467L0) - Unresourced

TRANSCOM: Eight SPODs

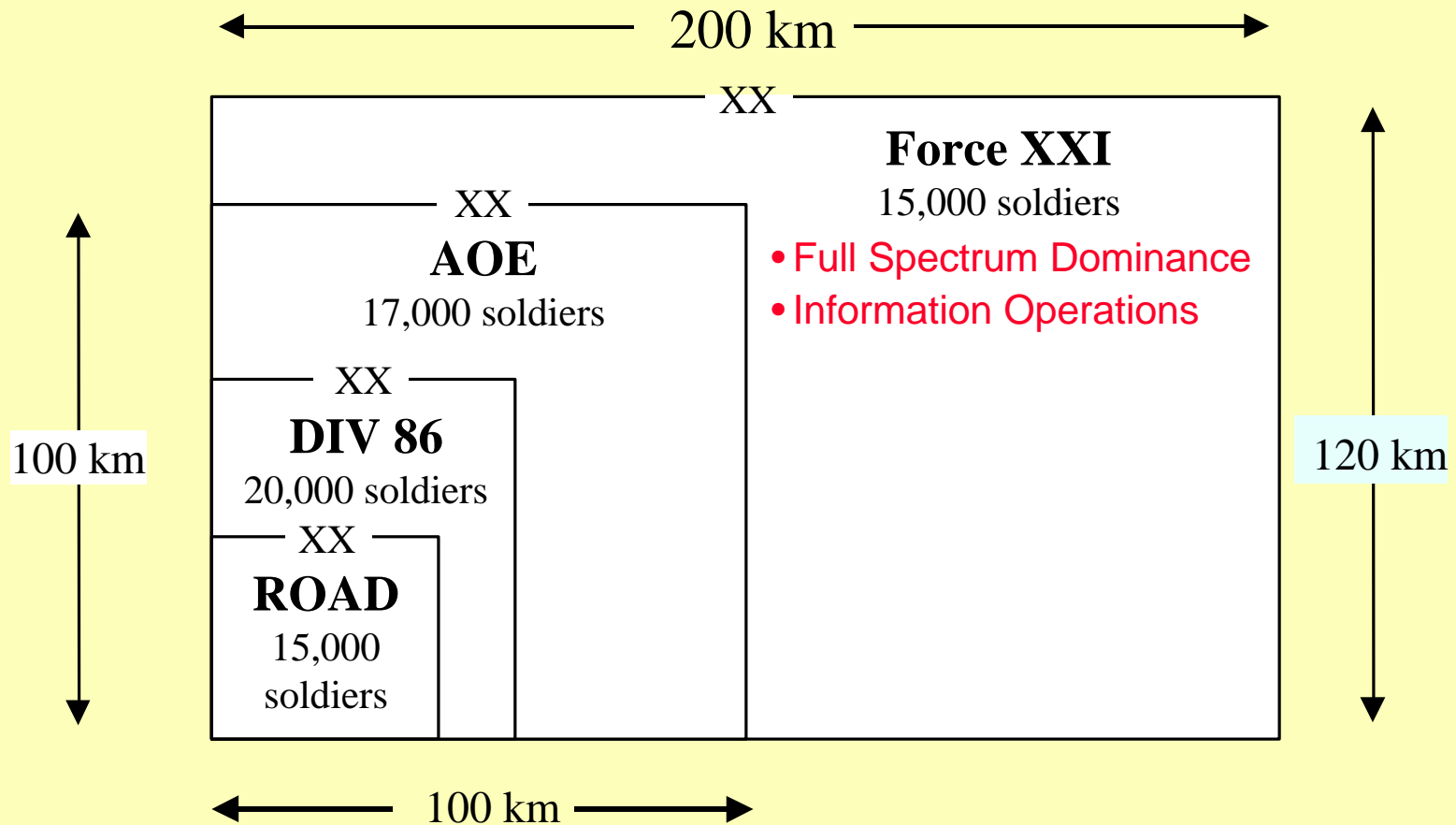
- Three Chemical Battalion HHDs (SRC 03476L2) - 2 Unresourced
- Eight ACR (Lt) Chemical Companies (D/R)(SRC 03333L0) - 5 ARNG; 3 Unresourced
- Eight Dual Purpose Companies (SRC 03467L0) - Unresourced



TAA 07 CHEMICAL FORCE ISSUES



FORCE XXI BATTLEFIELD



TAA-07 Initiatives

- **Illustrative Planning Scenario WMD Impact**
- **Proposed Allocation Rule Changes**
 - **Theater Chemical Defense Brigade**
 - **Additional NBC Recon and BIDS Co**
- **ACOM Homeland Defense Mission**



Force XXI Initiatives

- **Hvy Division Chemical Co eliminated**
- **Recon Detachment to Div Cav Sqdn**
- **Division Chemical Section to Division HHC**
- **New Recon/Decon Co**
- **Add 4th platoon to MX Smoke Co**
- **Corps Redesign**



CONCLUSION

Questions?



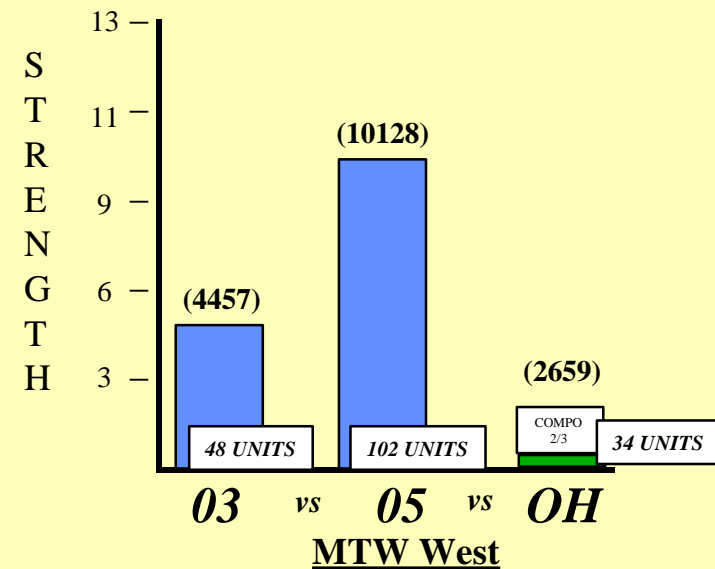
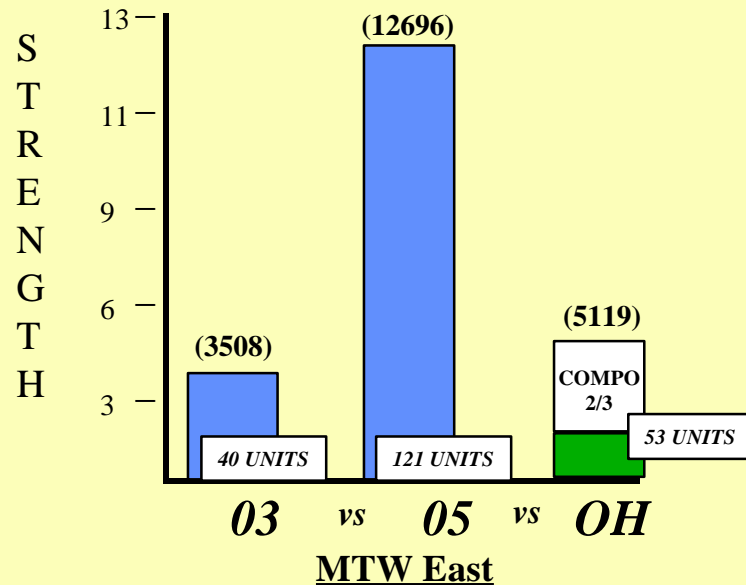


Backup Slides



Two MTW Requirements

Total Chemical Force



REASONS FOR REQUIREMENT CHANGES:

- Two Corps in both MTWs.
- 4 Smk/Decon COs vs. 2 in TAACOM.
- Support To Other Services (STOS).

IMPACTS

- Provides doctrinal NBC recon, bio detection, and decon support forward of corps rear boundary.
- Increased decon support for TAACOM.
- Supports Joint Rear Area Coordinator.

UNRESOURCED EQUIREMENTS:

- 130 Units (14916 Spaces).

UNUSED UNITS:

- 7 COMPO 2 Units.

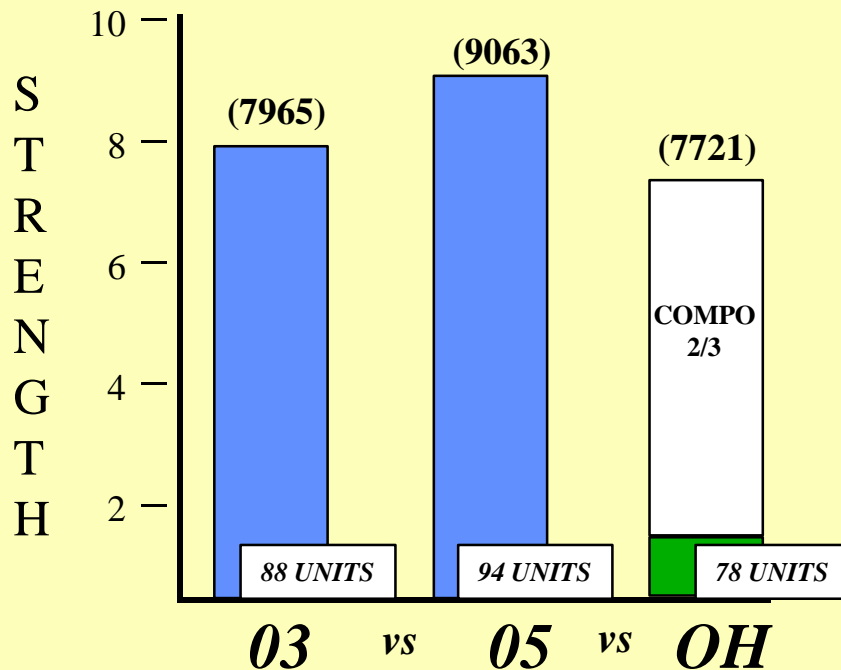
	COMPO		
Units Available	1	2	3
for the Warfight:	32	9	67



2 NS MRC

E-W

BRANCH : Chemical



REASONS FOR CHANGE:

- Two Corps in the 2nd MRC.
- 4 Smk/Decon COs vs. 2 in TAACOM.

IMPACTS

- Provides doctrinal support in both MRCs.
- Increases decon support in TAACOM.
- Does not include potential WEAR for USAF, USMC, USN.

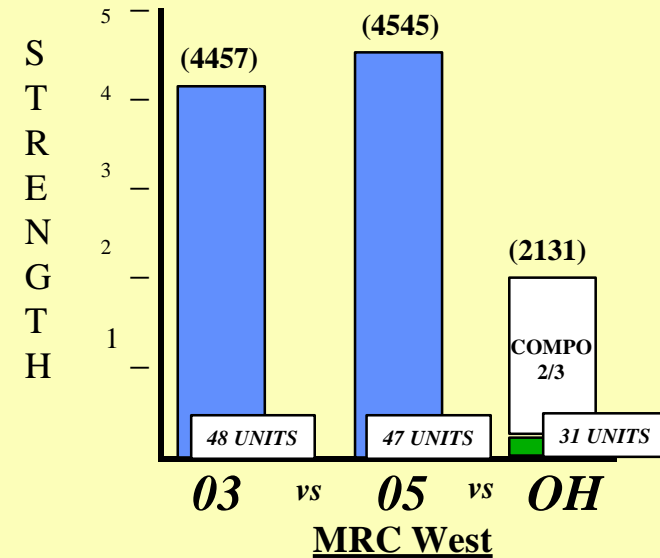
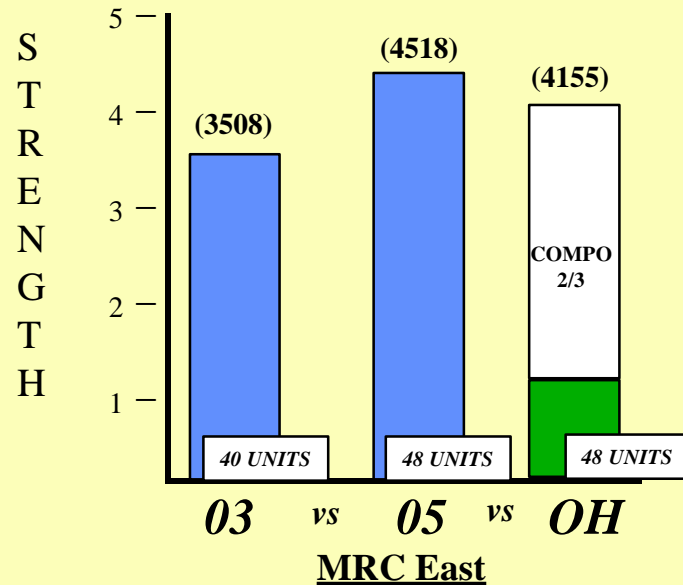
UNUSED:

- 16 Units (1315 Spaces: 8 ARNG (1235 Spaces) & 8 USAR (80 Spaces).



MRC East vs. MRC West

Total Chemical Force



REASONS FOR REQUIREMENT CHANGES:

- Two Corps in MRC East.
- 4 Smk/Decon COs vs. 2 in TAACOM.

IMPACTS

- Provides doctrinal NBC recon, bio detection, and decon support forward of corps rear boundary as TAA-03.
- Increased decon support for TAACOM over TAA-03.

UNRESOURCED EQUIREMENTS:

- 15 Units (1881 Spaces).

UNUSED UNITS:

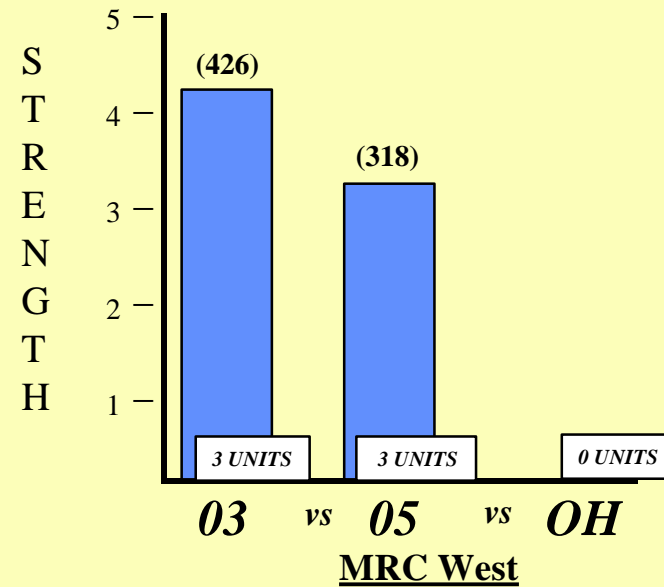
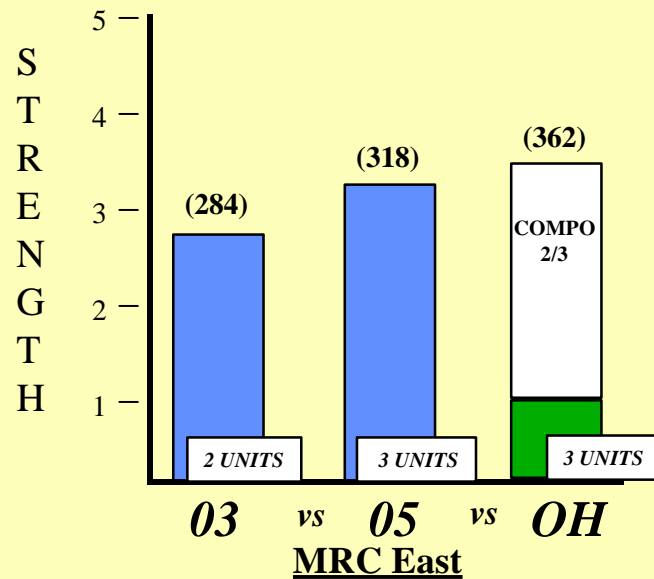
- 9 COMPO 2 Units.

	COMPO			
Units Available	1	2	3	4
for the Warfight:	32	9	67	4



MRC East vs. MRC West

FUNCTIONAL AREA: NBC Reconnaissance



REASONS FOR REQUIREMENT CHANGES :

- Two Corps in MRC East.
- Differences in CTUs.

IMPACTS:

- Provides doctrinal NBC recon support.

UNMATCHED/RISK:

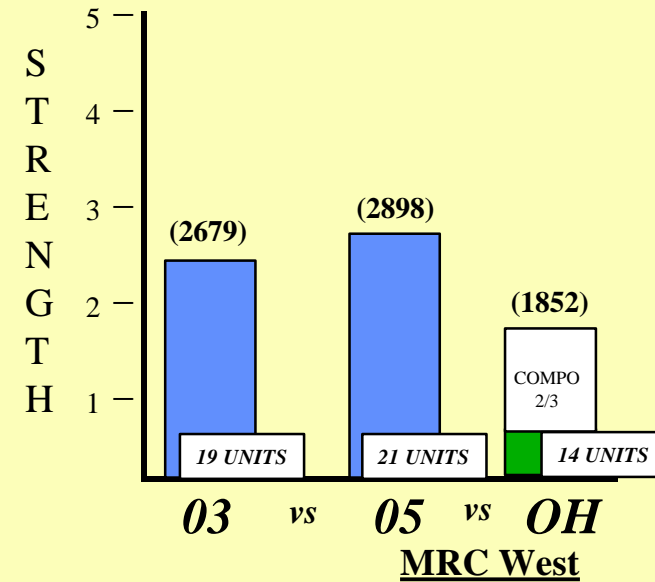
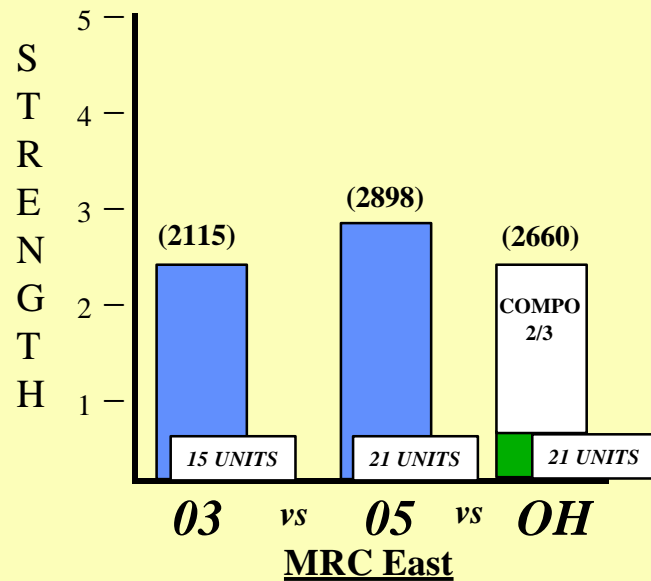
- Short: 3 units.
- Risk: HIGH

	COMPO			
Units Available	1	2	3	4
for the Warfight:	1	0	2	2



MRC East vs. MRC West

FUNCTIONAL AREA: Smoke/Decon



REASONS FOR REQUIREMENT CHANGES :

- Two Corps in MRC East.
- 4 Smk/Decon COs vs. 2 in TAACOM.
- First MRC vs. Second MRC.

IMPACTS

- Provides doctrinal decon support forward of corps rear boundaries.
- Increased decon support for TAACOM over TAA-03.

UNMATCHED/RISK

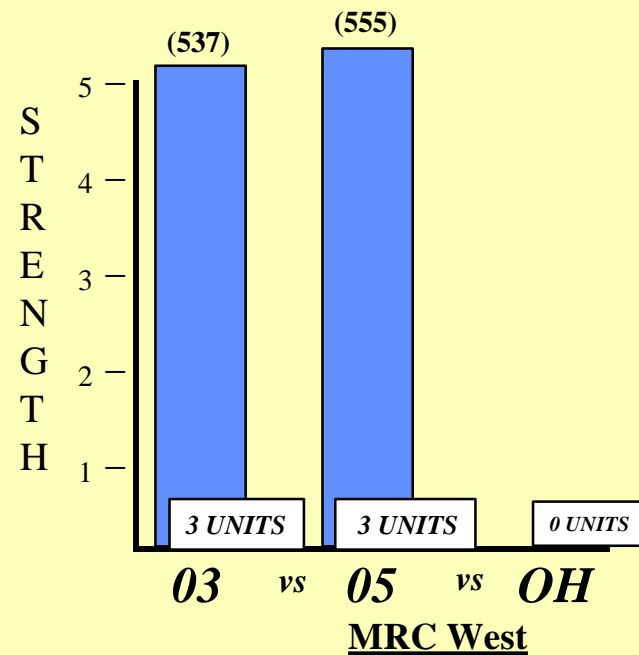
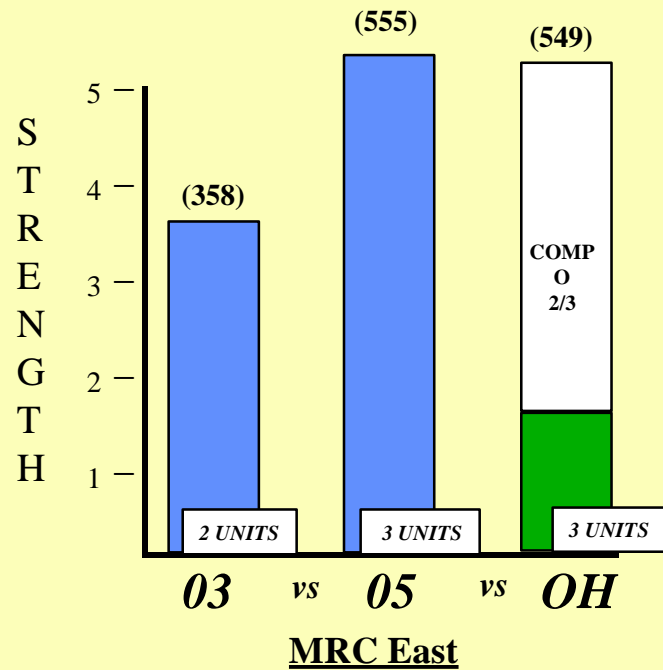
- Short: 7 units.
- Risk: MEDIUM

	COMPO			
Units Available	1	2	3	4
for the Warfight:	9	1	25	0



MRC East vs. MRC West

FUNCTIONAL AREA: Biological Detection



REASONS FOR REQUIREMENT CHANGES :

- *Two Corps in MRC East.*
- *Differences in CTUs.*
- *Addition of a long range standoff bio detection capability.*

IMPACTS

- *Provides doctrinal bio detection support.*

UNMATCHED/RISK

- *Short: 3 units.*
- *Risk: HIGH*

	COMPO			
Units Available	1	2	3	4
for the Warfight:	1	0	2	0



CHEMICAL UNITS

- **ORGANIC CHEMICAL COMPANY**
 - HEAVY, AIRBORNE, AIR ASSAULT DIV; ACR
 - NONE TO LID, SUPPORTED FROM CORPS
- **CORPS NBC RECONNAISSANCE COMPANY**
- **CORPS BIOLOGICAL DETECTION COMPANY**
- **CORPS MECHANIZED SMOKE COMPANY**
 - ONE PER ALLOCATED HEAVY DIVISION
- **CORPS SMOKE/DECON COMPANY**
 - SIX PER CORPS; ONE PER ALLOCATED DIVISION
- **HHD CHEMICAL BATTALION**
 - COMMAND & CONTROL OF 3 TO 7 COMPANIES
- **CORPS HHD CHEMICAL BRIGADE**




CHEMICAL UNITS

- **NBC CONTROL CENTER (JA TEAM)**
 - CORPS AND THEATER ARMY
 - AUGMENTATION TO ORGANIC SUPPORT
- **NBC CONTROL CENTER (JB TEAM)**
 - TAACOM AND AREA SUPPORT GROUP
 - 24 HOUR NBC WARNING AND REPORTING SUPPORT
- **CHEMICAL DETACHMENT (LB TEAM)**
 - SPECIAL FORCES GROUP
- **CHEMICAL DETACHMENT (LA TEAM)**
 - ABSORBED INTO HHC SEP BDE



CHEMICAL BATTLESTAFF

- **HHC CORPS**
 - **CM SEC: COL, LTC, CPT, SGM, SFC, SSG(3), SPC, PFC**
 - **G-2: MAJ & G-4: MAJ**
- **DIV CM CO**
 - **CM SEC: LTC, MAJ, SGM, SFC**
 - **NBCC: CPT(2), MSG, SFC(2), SSG(2)**
- **BDE OR REGIMENT**
 - **ACR: MAJ, CPT(2), MSG, SFC(2), SSG(2)**
 - **SEP BDE: MAJ, CPT, MSG, SSG, PFC**
 - **SEP CS/CSS BDE: CPT, MSG**
 - **BDE: CPT, SFC**
- **BN**
 - **COMBAT BN: LT, SSG, SPC**
 - **CS/CSS BN: SFC, SPC**
- **COMPANY**
 - **SEP/ORGANIC: SSG/SGT**



**Chemical expertise at
all warfighting
echelons**



Chemical Force Allocation

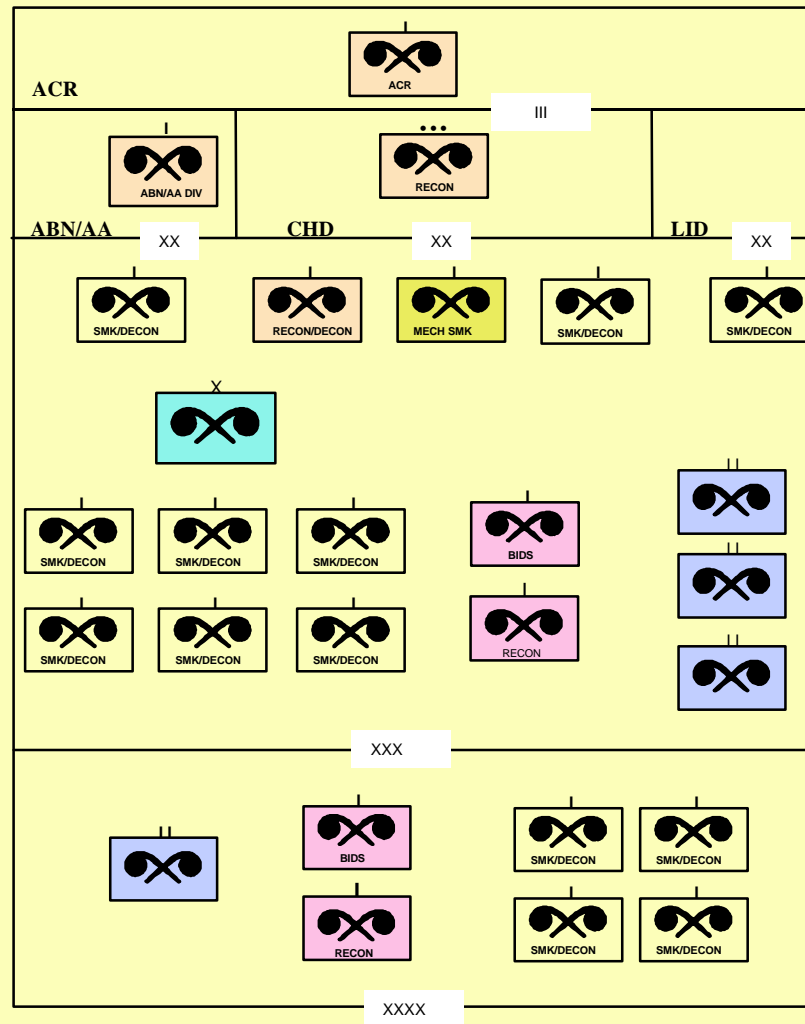
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Chemical Battalion Allocation

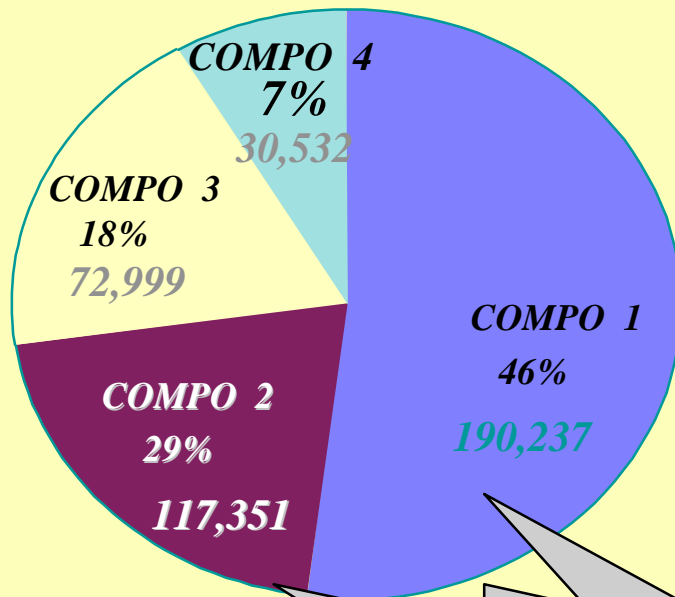
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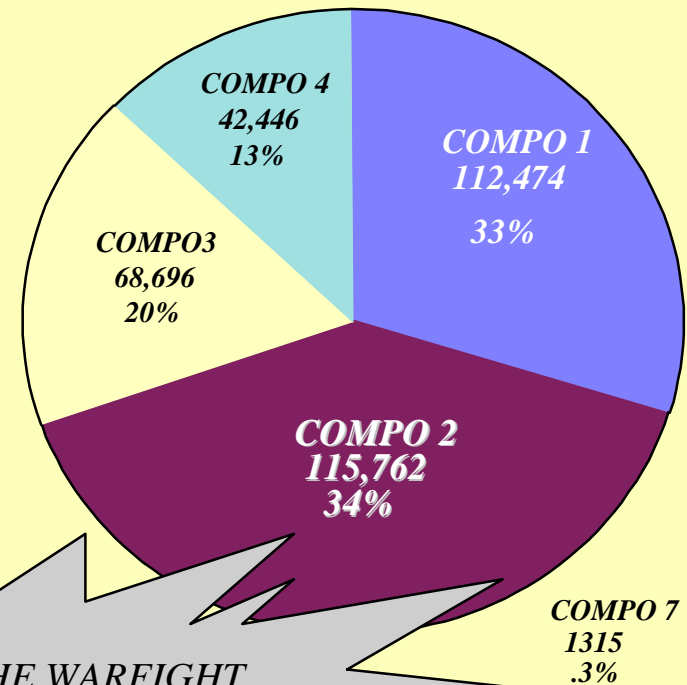
WMD FORCE PROTECTION

TAA-05 WARFIGHT THEATER COMPARE

MTW EAST



MTW WEST



TAA RESOURCED 90% OF THE WARFIGHT
REDUCED ALL COMPONENTS TO THEIR QDR
FY00 MTOE LEVELS

